<u>ABSTRACT OF THE DISCLOSURE</u>

Disclosed is an MC-CDMA scrambling system and method, and a recording medium for storing a program thereof. A transmitter receives user's bit streams, uses a fixed scrambling code, determined according to the user's orthogonal code combinations or the number of users and having a length equal to the number of subcarriers, and generates and outputs multicarrier signals. A receiver uses the scrambling code equal to that used by the transmitter, and receives the multicarrier signals from the transmitter, thereby converting the scrambling codes according to the users' orthogonal code combinations irrespective of user data, and easily reducing the PAPR (peak-to-average power ratio).